

[26] User Cluster Role Binding

❑ Configuring User API Authentication

- Create a new ClusterRole named `app-clusterrole`, which only allows to get, watch, list the following resource types: Deployment, Service
- Bind the new ClusterRole `app-clusterrole` to the new user `ckcuser`
- User ckauser and ckauser clusters are ready configured.
- To check the results, run the following command:
 - `kubectl config use-context ckauser`
- `❑ ❑❑❑`: k8s

Role vs Cluster Role

`❑❑❑ role ❑ namespace❑❑❑ ❑❑❑ ❑❑❑ cluster role ❑ namespace❑❑❑ ❑❑ cluster ❑❑❑ ❑❑ ❑❑. (role < cluster role`

Reference

docs❑❑ cluster role ❑❑ → ❑❑❑❑❑ ❑❑❑❑ Command-line utilities❑❑ `kubectl create clusterrole`

[Using RBAC Authorization](#)



Cluster Role

```
[user@k8s-master ~]$ kubectl create clusterrole app-clusterrole --verb=get,list,watch --resource=deployment,service
```

```
[user@k8s-master ~]$ kubectl get clusterrole app-clusterrole
```

```
[user@k8s-master ~]$ kubectl describe clusterrole app-clusterrole
```

Cluster RoleBinding

```
[user@k8s-master ~]$ kubectl create clusterrolebinding app-clusterrolebinding --clusterrole=app-clusterrole --user=ckauser
```

```
[user@k8s-master ~]$ kubectl get clusterrolebinding app-clusterrolebinding
```

```
[user@k8s-master ~]$ kubectl describe clusterrolebinding app-clusterrolebinding
```

#

```
[user@k8s-master ~]$ kubectl config use-context ckauser
```

```
[user@k8s-master ~]$ kubectl get deployment
```

```
-->
```

```
[user@k8s-master ~]$ kubectl get services
```

```
-->
```

```
[user@k8s-master ~]$ kubectl get secret
```

```
-->
```

(37)

Context You have been asked to create a new ClusterRole for a deployment pipeline and bind it to a specific ServiceAccount scoped to a specific namespace. Task Create a new ClusterRole named deployment-clusterrole, which only allows to create the following resource types:

- Deployment
- StatefulSet
- DaemonSet Create a new ServiceAccount named cicd-token in the existing namespace app-team1. Bind the new ClusterRole deployment-clusterrole to the new ServiceAccount cicd-token , limited to the namespace app-team1.
-

```
kubectl create clusterrole deployment-clusterrole --resource=deployment,statefulset,daemonset --verb=create
```

```
kubect! create serviceaccount cicd-token -n app-team1
```

```
kubect! create rolebinding deployment-rolebinding --clusterrole=deployment-clusterrole --  
serviceaccount=app-team1:cicd-token -n app-team1
```

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